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New Patent Claims

1. A device for locking and unlocking a vehicle door (2) with a door handle (4) which is attached to the outer side thereof and with a sensor system, arranged in the door handle (4), for unlocking the door (2) and for starting an identification code interrogation, wherein the vehicle door (2) is secured via an electronic access authorization system which enables the unlocking of the door as a function of the result of the identification interrogation, characterized in that

- the sensor system has an unlocking sensor (4) for unlocking the vehicle door, and an identification sensor for starting the identification interrogation, which are arranged separately from one another on the door handle (4), wherein
- the unlocking sensor (4) is arranged in the door-end internal region of the door handle (4), and
- the identification sensor (6) is arranged in the upper region or in the region of the door handle facing away from the door.

2. The device as claimed in claim 1, characterized in that the identification sensor (8) is a capacitive sensor.

3. The device as claimed in claim 1, characterized in that the unlocking sensor (6) is a capacitive sensor.

4. The device as claimed in claim 2 and 3, characterized in that the identification sensor (8) has a lower degree of sensitivity than the unlocking sensor (6).

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5. The device as claimed in one of claims 1, characterized in that a locking sensor (10) is provided for locking the door (2) in the region of the door handle (4) facing away from the door.

6. The device as claimed in claim 5, characterized in that the locking sensor (10) and the identification sensor (6) are functionally combined in a single sensor.

7. The device as claimed in claim 5 or 6, characterized in that the locking sensor (10) is embodied as a capacitive sensor.

8. The device as claimed in claim 1, characterized in that during the identification interrogation an identification code on an external chip card which is carried along, in particular by the user, is interrogated.